

Title (en)
DRYWALL SCREW

Title (de)
TROCKENBAUSCHRAUBE

Title (fr)
VIS DE CONSTRUCTION SÈCHE

Publication
EP 3994365 B1 20230315 (DE)

Application
EP 20734008 A 20200622

Priority
• EP 19184079 A 20190703
• EP 2020067307 W 20200622

Abstract (en)
[origin: CA3139873A1] The invention relates to a dry-construction screw (1) for fastening a plasterboard panel to a metal support, comprising a head (2), a tip portion (3) and an elongate shaft (4), wherein the tip portion is joined to the shaft, wherein the dry-construction screw comprises an enlarging element (5) which is suitable for enlarging the first drilled hole in the plasterboard panel up to a first drilled-hole diameter t and for breaking off when it strikes the metal support, wherein an insertion volume $V1$ of the head exceeds the first drilled-hole diameter t , wherein the shaft comprises a thread-free under-head portion, the receiving volume $V2$ of which is less than the first drilled-hole diameter t , which volume is at least 80% of the insertion volume $V1$.

IPC 8 full level
F16B 25/00 (2006.01); **F16B 25/10** (2006.01); **F16B 35/06** (2006.01)

CPC (source: EP US)
F16B 25/0031 (2013.01 - EP); **F16B 25/0036** (2013.01 - US); **F16B 25/0089** (2013.01 - EP); **F16B 25/106** (2013.01 - EP);
F16B 35/06 (2013.01 - EP); **F16B 25/0026** (2013.01 - EP); **F16B 35/065** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3760884 A1 20210106; CA 3139873 A1 20210107; DK 3994365 T3 20230619; EP 3994365 A1 20220511; EP 3994365 B1 20230315;
TW 202117201 A 20210501; US 2022235809 A1 20220728; WO 2021001192 A1 20210107

DOCDB simple family (application)
EP 19184079 A 20190703; CA 3139873 A 20200622; DK 20734008 T 20200622; EP 2020067307 W 20200622; EP 20734008 A 20200622;
TW 109121352 A 20200623; US 202017613656 A 20200622